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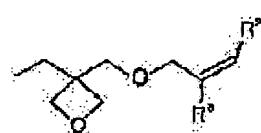
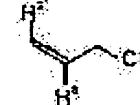
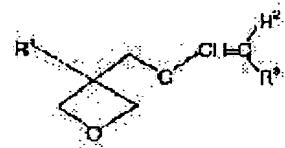
(21)Application number : 05-183459 (71)Applicant : RENSSELAER POLYTECHNIC INST
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(54) OXETHANE COMPOUND

(57)Abstract:

PURPOSE: To provide a novel oxethane compound useful as monomer for optically initiating cation polymerization by short-time UV irradiation without exclusion of oxygen.

CONSTITUTION: This compound of formula I (wherein R1 represents H, a 1-6C alkyl, F, 1-6C fluoroalkyl, allyl, aryl, furyl or thienyl; R2 represents a 1-6C alkyl; R3 represents H or a 1-6C alkyl), for example 3-ethyl-3-(2-propenoxy) methyl-oxethane is obtained by, for example, reacting hydroxymethyloxethane of formula II with an allyl halide of formula III to obtain allyloxymethyloxethane of formula IV and rearranging its aryl ether to vinyl ether in the presence of a ruthenium catalyst.



LEGAL STATUS

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